

## **ABSTRACT OF THE INVENTION**

One embodiment of the invention is a method of routing a group of nets in a region. The method identifies a first route for a first net. It then determines whether embedding the first route in the region will make a set of unrouted nets in the region unroutable. When embedding the first route will make the set of unrouted nets unroutable, the method then identifies a second route for the first net. If embedding a route will not make the set of unrouted nets unroutable, the method embeds the route in the region.

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